

|   | Type | L # | Hits   | Search Text  | DBs   | Time Stamp              |
|---|------|-----|--------|--|---|-------------------------|
| 1 | BRS  | L1  | 137    | variable adj2 optical adj3<br>characteristic\$2  | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>16:54 |
| 2 | BRS  | L3  | 1      | 1 and 2  | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>16:55 |
| 3 | BRS  | L2  | 81     | piezoelectric and magnetostriction and<br>electrostatic and electromagnetic and<br>temperature | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:48 |
| 4 | BRS  | L4  | 424    | 359/665-667.ccls.  | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:44 |
| 5 | BRS  | L5  | 1160   | zoom\$3 near4 finder\$3  | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:44 |
| 6 | BRS  | L6  | 653161 | rotational\$4 nar4 asymmetric\$5   | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:45 |
| 7 | BRS  | L7  | 8986   | objective and eyepiece   | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:45 |
| 8 | BRS  | L8  | 58     | 5 and 6 and 7  | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:48 |

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|    | Type | L # | Hits    | Search Text  | DBs   | Time Stamp              |
|----|------|-----|---------|--|---|-------------------------|
| 9  | BRS  | L9  | 14452   | variable same mirror\$3  | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:48 |
| 10 | BRS  | L10 | 3676776 | piezoelectric or magnetostriction or<br>electrostatic or electromagnetic or<br>temperature | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>19:49 |
| 11 | BRS  | L11 | 6205    | 9 and 10   | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>20:07 |
| 12 | BRS  | L12 | 2641    | photomechanical\$5 or<br>photo-mechanical\$5   | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>20:07 |
| 13 | BRS  | L13 | 15      | 9 and 12   | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>20:11 |
| 14 | BRS  | L14 | 70      | (lens\$2 or mirror\$3) same 12   | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>20:28 |
| 15 | BRS  | L15 | 37      | (lens\$2 or mirror\$3) with 12   | USPAT;<br>US-PGPUB<br>; EPO;<br>JPO;<br>DERWENT<br>;<br>IBM_TDB | 2003/11<br>/25<br>20:29 |

|    | D cument ID       | 1                                   | S<br>o<br>u<br>r<br>c<br>e       | Issue<br>Date | Pa<br>ge<br>s | Title  | Current<br>OR  | Current<br>XRef                             |
|----|-------------------|-------------------------------------|----------------------------------|---------------|---------------|--|----------------|---|
| 1  | GB 2184562 A      | <input checked="" type="checkbox"/> | E<br>P<br>O                      | 1987<br>0624  | 7             | Liquid or semi-solid lens or mirror with system for adjusting focal length   |                | 359/666                                     |
| 2  | US 6241904 B1     | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 2001<br>0605  | 37            | Method of manufacture of a two plate reverse firing electromagnetic ink jet printer  | 216/27         |   |
| 3  | US 5498868 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 1996<br>0312  | 7             | Optical data reader capable of quickly changing a condensing position of a light beam  | 250/234        | 250/568;<br>359/290;<br>359/666;<br>359/846 |
| 4  | US 3872330 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 1975<br>0318  | 11            | HIGH POWER ACOUSTICAL TRANSDUCER WITH ELASTIC WAVE AMPLIFICATION   | 310/316.0<br>3 | 310/334;<br>367/137                         |
| 5  | US 6257705 B1     | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 2001<br>0710  | 36            | Two plate reverse firing electromagnetic ink jet printing mechanism  | 347/54         | 347/20;<br>347/44;<br>347/47                |
| 6  | US 5440357 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 1995<br>0808  | 25            | Vari-lens phoropter and automatic fast focusing infinitely variable focal power lens units precisely matched to varying distances by radar and electronics | 351/158        | 351/227;<br>359/665;<br>359/666             |
| 7  | US 4926213 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 1990<br>0515  | 10            | Apparatus for holding sensitized material in slitwise exposure type copying camera   | 355/49         | 355/51;<br>355/60;<br>355/65                |
| 8  | US 4726656 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 1988<br>0223  | 19            | Vehicle rearview mirror assembly containing a fluid light controlling medium   | 359/603        | 359/665;<br>359/886                         |
| 9  | US 20020041445 A1 | <input checked="" type="checkbox"/> | U<br>S<br>-P<br>G<br>P<br>U<br>B | 2002<br>0411  | 98            | Optical apparatus  | 359/627        | 359/628                                     |
| 10 | US 5917657 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 1999<br>0629  | 11            | Imaging device having flexible liquid-filled film lens   | 359/661        | 359/462;<br>359/665                         |
| 11 | US 5229885 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 1993<br>0720  | 15            | Infinitely variable focal power lens units precisely matched to varying distances by radar and electronics   | 359/665        | 351/158;<br>351/159;<br>351/41;<br>359/666  |

|    | Document ID   | 1                                   | Source   | Issue Date | Pages | Title   | Current OR | Current XRef                                |
|----|---------------|-------------------------------------|----------|------------|-------|---|------------|---|
| 12 | US 3494687 A  | <input checked="" type="checkbox"/> | US O C R | 19700210   | 3     | FLUID LENS USING ELECTRIC OR MAGNETIC FIELD GRADIENTS   | 359/665    | 385/125                                     |
| 13 | US 6493151 B2 | <input checked="" type="checkbox"/> | US P A T | 20021210   | 16    | Variable focus lens by small changes of the equatorial lens diameter  | 359/666    | 359/676;<br>359/824                         |
| 14 | US 6459535 B1 | <input checked="" type="checkbox"/> | US P A T | 20021001   | 22    | Zoom lens system and image pickup apparatus using same  | 359/666    | 359/676;<br>359/683;<br>359/689;<br>359/692 |
| 15 | US 6369954 B1 | <input checked="" type="checkbox"/> | US P A T | 20020409   | 8     | Lens with variable focus  | 359/666    | 349/200;<br>359/291;<br>359/665             |
| 16 | US 6344930 B1 | <input checked="" type="checkbox"/> | US P A T | 20020205   | 41    | Total-focus imaging apparatus using a variable-focus lens   | 359/666    | 359/820                                     |
| 17 | US 6188526 B1 | <input checked="" type="checkbox"/> | US P A T | 20010213   | 12    | Variable focus lens device having temperature fluctuation compensating feature for lens device liquid                             | 359/666    | 359/665                                     |
| 18 | US 5774274 A  | <input checked="" type="checkbox"/> | US P A T | 19980630   | 15    | Variable focus lens by small changes of the equatorial lens diameter  | 359/666    | 359/676                                     |
| 19 | US 5684637 A  | <input checked="" type="checkbox"/> | US P A T | 19971104   | 21    | Fluid filled and pressurized lens with flexible optical boundary having variable focal length                                     | 359/666    |   |
| 20 | US 5371629 A  | <input checked="" type="checkbox"/> | US P A T | 19941206   | 6     | Non-circular variable focus lens  | 359/666    | 351/158;<br>351/41                          |
| 21 | US 4989958 A  | <input checked="" type="checkbox"/> | US P A T | 19910205   | 6     | Focus adjusting apparatus provided with a focus lens member formed of polymer gel substance having electro-reactive deformability | 359/666    |   |
| 22 | US 4913536 A  | <input checked="" type="checkbox"/> | US P A T | 19900403   | 10    | Variable power lens and method  | 359/666    | 351/158;<br>351/159;<br>351/41              |

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|----|-------------------|-------------------------------------|----------------------------------|---------------|---------------|---|---------------|---|
| 23 | US 4890903 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 19900<br>102  | 9             | Suspension system for a flexible optical membrane                                       | 359/666       | 359/847                                     |
| 24 | US 4289379 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 19810<br>915  | 7             | Optical system having a variable focal length   | 359/666       | 359/292                                     |
| 25 | US 0504890 A      | <input checked="" type="checkbox"/> | U<br>S<br>O<br>C<br>R            | 18930<br>912  | 4             | OCR SCANNED DOCUMENT  | 359/666       | 126/698;<br>343/915;<br>359/847;<br>362/318 |
| 26 | US 3589797 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 19710<br>629  | 7             | GAS LENS FOR OPTICAL TRANSMISSION, WITH VERTICAL GRADIENT HEATING TO REDUCE ABERRATIONS | 359/667       | 174/47                                      |
| 27 | US 3519332 A      | <input checked="" type="checkbox"/> | U<br>S<br>O<br>C<br>R            | 19700<br>707  | 4             | THERMOELECTRIC ALTERNATING-GRADIENT OPTICAL GUIDING APPARATUS                           | 359/667       |   |
| 28 | US 5748382 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 19980<br>505  | 46            | System for stretching a solid flexible lens   | 359/676       | 359/666                                     |
| 29 | US 6437925 B1     | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 20020<br>820  | 68            | Optical apparatus   | 359/726       | 359/290;<br>359/291;<br>359/666             |
| 30 | US 6552860 B1     | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 20030<br>422  | 48            | Variable Fresnel type structures and process  | 359/742       | 359/666                                     |
| 31 | US 3733981 A      | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T            | 19730<br>522  | 4             | LENS PROTECTIVE SYSTEM FOR DEEP SEA CAMERA  | 396/26        | 359/665                                     |
| 32 | US 20010002226 A1 | <input checked="" type="checkbox"/> | U<br>S<br>-P<br>G<br>P<br>U<br>B | 20010<br>531  | 43            | DRIVE MECHANISM USING SHAPE MEMORY ALLOY AND APPARATUS USING THE SAME                   | 396/440       |   |
| 33 | US 3121169 A      | <input checked="" type="checkbox"/> | U<br>S<br>O<br>C<br>R            | 19640<br>211  | 6             | Optical communication system using a circular electromechanical modulator               | 398/201       | 310/311;<br>333/148;<br>359/665             |

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| 34 | US 5908981 A | <input checked="" type="checkbox"/> | U<br>S<br>P<br>A<br>T      | 19990<br>601  | 35            | Interdigital deflection sensor<br>for microcantilevers | 73/105        | 356/501         |

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